









New Online Information Service for the National Isotope Development Center

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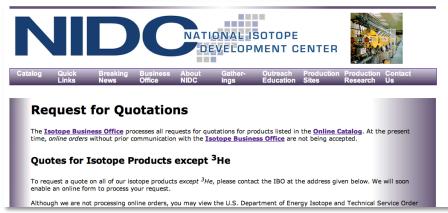
- started project January 14
- extracted product catalog from old FOX PRO database
- configured database workstation to work on ORNL network
- created new MySQL database and imported data
- data is now stored securely & redundantly
- requested new domain "isotopes.gov" for website (just approved)
- created new NIDC logo

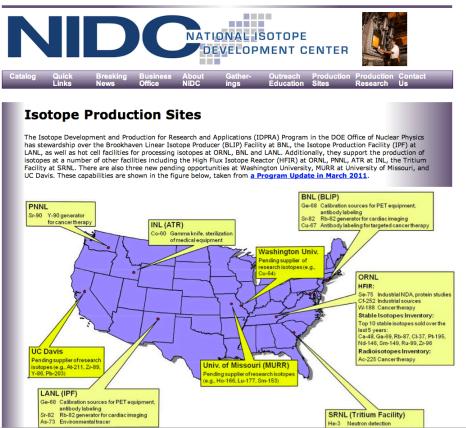




created static web pages with information on NIDC and isotopes







 site has a "look & feel" that is easily changed



 created web pages for each product generated dynamically from the database





PRODUCT CATALOG

Arsenic-72

Related Products: Arsenic-73

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ISOTOPE 72AS			
Half Life / Daughter	26.0 hours to germanium-72		
Major Radiation	Positron - 2.49 MeV Gamma - 843.1 keV		
Form	Arsenic (V) in 0.1 M HCl		
Activity	> 1 mCi/ml (concentration)		
Radiopurity	99%		
PRODUCTION			
Source	Daughter of selenium-72 decay		
Processing	Dissolution, precipitation, and filtration		
DISTRIBUTION			
Shipment	Crimp-seal glass vials		
Availability	Call		
Unit of Sale	Millicuries		
Contact	Oak Ridge National Laboratory National Isotope Development Center Call: (865) 574-6984 Fax: (865) 574-6986 email: isotopes@ornl.gov		

 pages immediately reflect any change in underlying database

PRODUCT CATALOG

Nickel

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Isotope	Natural abundance (atom %)	Isotopic enrichment (atom %)		
Ni-58	68.27	>99.9		
Ni-60	26.1	>99		
Ni-61	1.13	88-93		
Ni-62	3.59	>96		
Ni-64	0.91	92-96		
PRODUCT FORM				
Inventory Form:	metal powder			
Alternate Form:	oxide, chloride			

Targets

Isotopic or Normal Standard Size: 2.5 cm by 2.5 cm

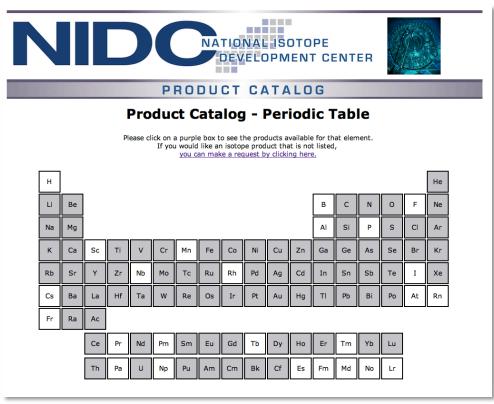
Form	Range of thickness (micrograms/square cm)	Backing	Method of preparation
Element	>= 1000	Self-supporting	Rolling
Element	Variable	Self-supporting	Cast or pressed

Other isotopic abundances, chemical forms, and/or targets considered on request

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- built communication protocol between web pages & database
- created list and periodic table interfaces to product catalog







created simple search capability for product catalog





- incorporate your feedback
- go live with website when given NIDC approval
- add request new product tool
- add nuclide chart to select products
- establish first links to info from National Nuclear Data Center
- expand search capabilities
- expand info on NIDC, on Isotopes, on Production Sites